RECYCLING TRAINING

Presentation Overview

RECYCLING:

- Why recycle?
- Environmental Management System
- How do I recycle?
- Tips for residents living off-post

ENERGY and WATER CONSERVATION:

- Why save energy?
- What you can do to save energy

Why should I support recycling?

- Recycling is necessary for our environment!
  - It saves our valuable natural resources (e.g. trees, oil, …)
  - It saves energy
  - Helps keep our air and water clean.
  - It reduces the amount of waste to be incinerated (no more landfills in Germany)
- **Recycling saves our community OVER 1 MILLION DOLLARS a year !!!**
- Recycling is the law in Germany and is Army policy
- Soldiers and civilians can be punished under UCMJ or USAER 27-9 “Misconduct by Civilians” if not disposing of waste properly

Environmental Management System (EMS)

Definition:

An EMS ensures…

… a systematic approach to continual environmental improvement and pollution prevention.

… environmental awareness on the basis of training and competence.

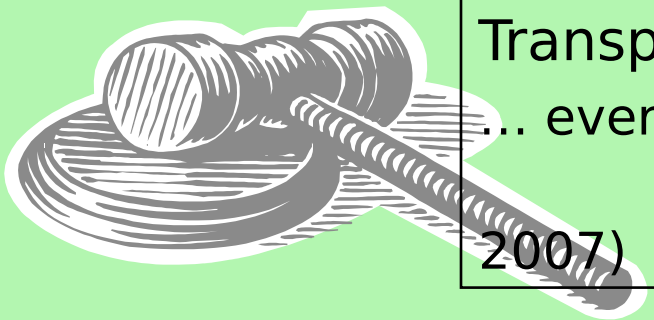
Why EMS?

Executive Order (EO) 13423,

"Federal Environmental, Energy and Transportation Management"

… every federal agency must implement an EMS …

(signed by President Bush on 24 January 2007)



Environmental Management System (EMS)

The EMS policy

states the Garrison's commitment to
pollution prevention, continual environmental improvement,
and compliance with environmental laws and regulations!

Remember your "Just Do It Card"

Be aware that your daily activities can impact the environment!

Know the corresponding guidelines (policies and SOPs)!

Environmental Management System (EMS)

Environmental Objectives and Targets

Examples:

Significant Aspect: Generation of Solid Waste

EMD provides paper pails and yellow bags.

Units exchange of solvent based parts cleaners.

Significant Aspect: Generation of Hazardous Waste

EMD conducts spill trainings.

Significant Aspect: Spills/Emergencies

EMD installs photovoltaic panels.

What are your environmental targets?

Consequences for Non-compliance

- Waste of natural resources.
- Pollution.
- Inspection Findings.
- Monetary fines.
- Commander's Notice of Violation.

How do I recycle and how can I support e USAG Mannheim SORT progra

US Army Corps of Engineers
EUROPE DISTRICT

293rd Base Support Battalion (BSB) Mannheim

Recycling Information Guide

Follow the USAG Mannheim recycling guides!

Recycling Guides are available at:

- Service Order Desk
- Self-Help Store
- SORT Center
- Housing Office
- Environmental Management Division

For Information, call:

- BSB SORT Center at 381-SORT
- BSB Environmental Office at 381-7029/8675

amec

What goes into the Paper Containe

<u>Clean</u>
paper / cardboard:
e.g. books, newspapers, magazines, cardboard boxes

Flatten boxes before placing in the dumpster!

Put Paper into paper containers located all over the community!

Our dumpsters are color coded

… close the lid!

….it's easy!

Where do I get

- **recycling bins for paper collection at my office or**
- **s[illegible] for own b[illegible]**

The cleaning crews will empty these bins…

Call Mr. Flick at DPW if they don't!

USAG Mannheim sorts about 900 tons of paper & cardboard per year!

Annual costs for (clean) paper disposal:

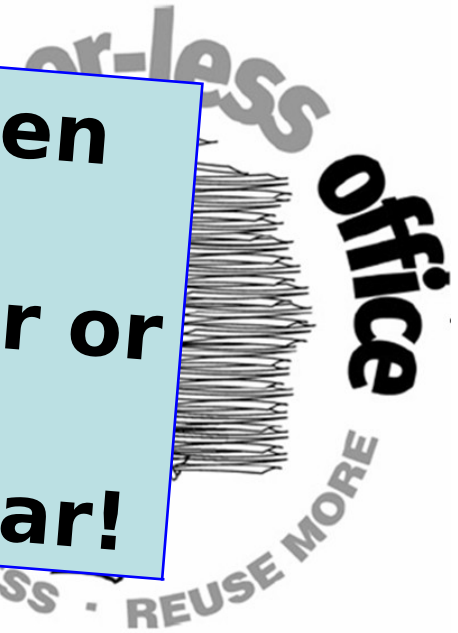
It's FREE !

Avoid contamination of recyclable paper and cardb

Don’t Generate Paper Waste in the First Place!

- **Don’t produce paper waste:**
  - Th… before you print.
  - Pr…
  - U… th… p…
  - G…

The average US citizen uses
300 kilograms of paper or
approx. 5 trees per year!



- **Buy recycled paper (government agencies are required by law to use recycled paper!).**

What goes into a Glass Container?

Remove screw tops/ lids and place them into yellow bag waste and corks into refuse!

Green and other colored glass

White glass

Brown glass

Place glass in matching colored containers located throughout the Garrison

... it's

Annual costs for glass disposal (45 tons):

It's FREE !

What goes into the Yellow Bag?

- all material with a "Green Dot"

- Packages, containers, wrappers consisting of plastic, metal, or composites (mixture of plastic/ paper/ aluminum)

Put Yellow Bag into yellow container

Clean roughly and put into Yellow Bag

Where do I get FREE Yellow Bag Holders?

- Self Help Store, Taylor Barracks, Bldg. 374

Where do I get FREE Yellow Bags?

- Commissa

USAG Mannheim sorts about 250 tons of yellow bag waste per year!

Annual costs for disposal: ***It's FREE !***

W Yellow Bag Holders?

- Self Help Store
- EMD

Lawn and Tree Clippings

Where to put lawn and tree clippings and other vegetation?

Brown bags are available at the DPW Self Help Store at Taylor Barracks

- shall be placed at the curb in brown paper bags *(see USAG Mannheim Refuse and Recycling Pick-up Schedule)*

Other Installations:

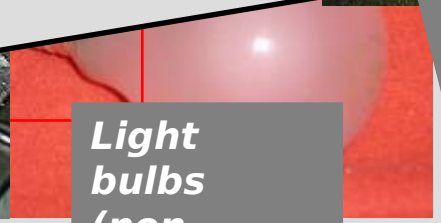
What goes into the Refuse Container ?

All wastes that ca… recycle… do not … specia… handling

- No recy…
(pap… glass, plasti…
- N…

USAG Mannheim generates about 5,000 tons of refuse per year!

Annual disposal cost
Paid by USAG Mannheim:
€ 1,500,000 !!!



Vacuum cleaner bags

Costs for refuse disposal:
€ 273.-/ton

Special waste is sorted, recycled, and properly disposed at the …

Sort Center
Mo, 0800 – 1200
Tue - Fri, 0800 – 1615
Sat,
Sundays, U
The SORT Center serves more than 7,000 Customers / year and handles over 700 Tons / year.
Located on Taylor Bks., Bldg

Authorized users of the SORT Cent

- **On post residents** … off household g… …us materials and w…
- **…dents** are not authorized to drop off … items at the SORT Center
- **Any US ID card holder** can remove items for their personal use!

GET A COPY OF OUR FACT SHEET!!

What is "Special Waste" ?

Do NOT bring to the SORT Center:

- **Hand receipt items**
- **Military property**
- **Government property**
- **Industrial waste**

ut your bulk waste out on Sunday
800-2200 – no other day or time

Bulk waste pick-up by I
at BFV on Mondays

Never place a battery in the trash!

ry bins are located all around the commu

Glass works

Paper works

Yellow Bag plant

Where do our recyclables and garbage go?

And the last step …

… our refuse goes to the MVV incinerator plant.

Off Post residents …

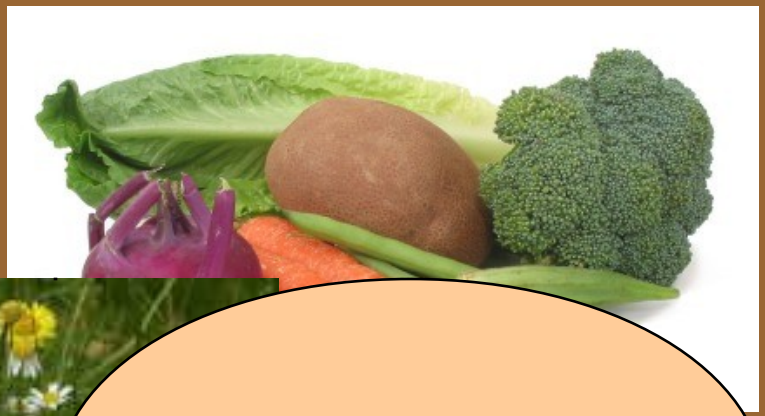
Recycling and refuse disposal
is different from
district to district and city to city!!!

GET A COPY OF OUR
FACT SHEET!!!

Place your container next the walkway
(often once a month only)
Don’t pay twice for garbage!
You are not allowed to bring any waste on post!
Check your “Abfallkalender”
ask your local administrative office, your landlord, or your EMD!

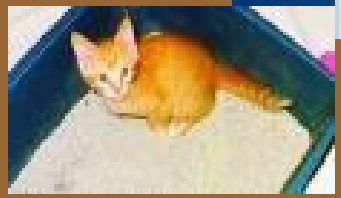
BIOABFALL

DO add.....



Compost –
anything biodegradable

DONT add.....



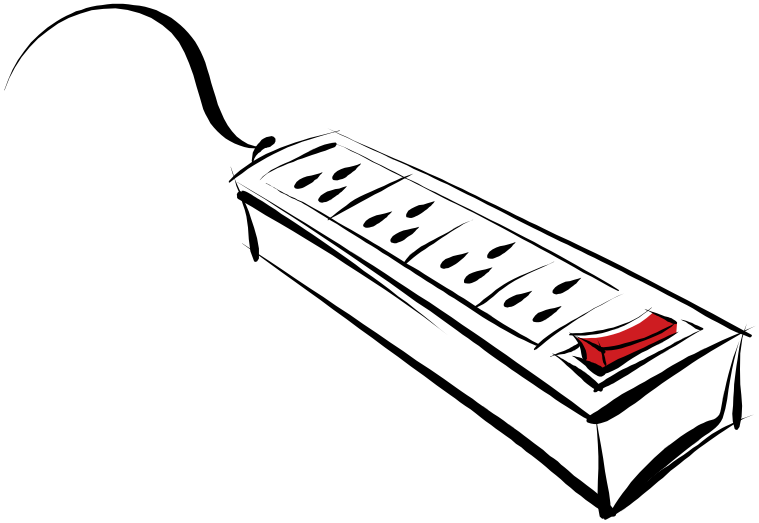
On request or routine:
“Sperrmüll”

Why Save Energy ?

- ✓ **It is required by law!**
- ✓ **It’s good for our environment**

The use of 1 KWh electricity emits about 1.1 kg CO2 (one of the main causes of global warming)!

What You Can Do



Tip #1 – Turn it off!

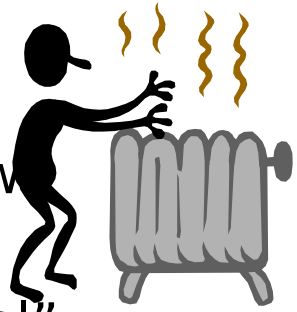
- Turn off lights, PC monitors, A/C units, other electronic appliances when not needed.
- Standby may use up to 60 percent of the energy used during normal operation!

➢ Turning off the lights in one hallway can save $300/year! If we turn off the lights in every hallway we can potentially save hundreds of thousands of dollars per year.

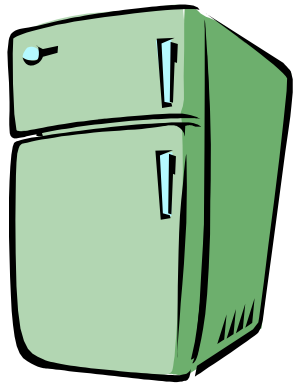
Tip #2 – Heat responsibly

Wasteful heating habits waste a lot of energy and money!
Save energy by sticking to these rules:

- ✓Put heating on “snowflake” if you leave fo longer time.
- ✓Keep doors to colder rooms closed!
- ✓Ventilate rooms with windows wide open for a few minutes several times a day. Otherwise keep window closed while heating or operating the A/C
- ✓Space heaters use much more energy than “normal” radiators. Don’t use them!
- ✓Don‘t overheat your rooms! Reducing the temperat by one degree Celsius saves 6% of energy!
- ✓Don‘t block radiators with curtains



Tip #3 – Fridges & Freezers



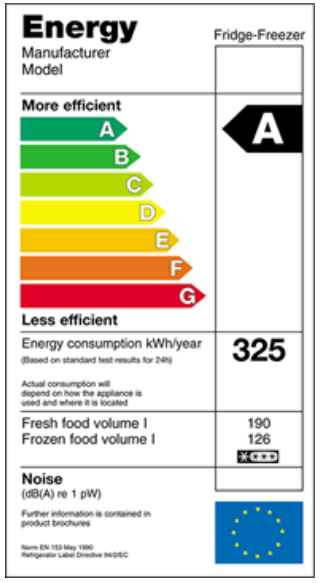
Fridges and freezers consume high amounts of electricity.

- ➢ Choose the right temperature for your fridges & freezers!

  Fridge: 45 °F (7°C)

  Freezer: -0.4 °F (-18°C)

- ✓ Don’t place warm food in fridge or freezer
- ✓ Defrost freezers regularly!
- ✓ Unplug / get rid of excess freezers and freezers not in use.
- ✓ Buy the most energy efficient models.



Tip #4: Call the Service Order Section if

- Exterior lights are on during daytime
- You have a water leak / water drip
- The hot water temperature is too high
- Lamps are dirty (cannot be cleaned by use

- Don’t call to replace removed light bulbs (“Delamping”)!

Tip #5: End of the Day Checklist

1. Room lights turned off?
2. Hallways lights and lights in unoccupied areas turned off?
3. Heating turned on red dot or 3 (snowflake during vacation)?
4. PC monitors / printers / coffee machines / ventilators turned off?
5. Windows closed (during heating season)?

Save Water !

What You Can Do:

- Use water sparingly (in the office and at home):
- Use wate
- in your driveway
legal.

Annual cost for water and wastewater paid by the USAG Mannheim :

6 Million Dollars

The average US citizen uses 60 gallons of water

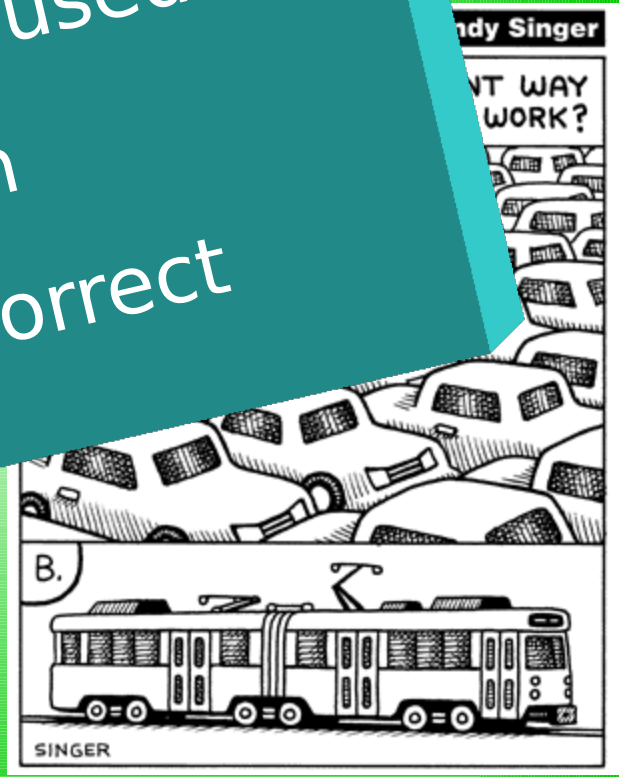
Ecological Driving

Burning 1 liter of fuel emits about 2.5 kg of carbon dioxide (one of the main causes of global warming).

What You Can Do:

- Do not idle your car (Th
  Germany). T
- and your fuel
  up to 6%!
- buy: When thinking about buying a new car, why not choose an eco-friendly one?

Up to **30 percent of fuel** used can be saved through Ecological Driving and Correct Maintenance!



We can bring the recycling roadshow to your unit or FRG!!!

<u>Contact your DPW</u>

Environmental Management Division at Taylor Barracks #34

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Recycling: Wolfgang Ziegler, DSN 381 – 7029

Energy: Kurt Marx, DSN 381-8927

Website: http://home.mannheim.army.mil/sites/directorates/DPW.web/Environmental.htm

Any questions or commen
Thank you for your attenti
and have a good day!